

G 812

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Reg. No.....

Name.....

**B.TECH. DEGREE EXAMINATION, MAY 2014**

**Eighth Semester**

Branch : Civil Engineering

**BUILDING TECHNOLOGY AND MANAGEMENT (C)**

(Old Scheme—Prior to 2010 Admissions)

[Supplementary/Mercy Chance]



Time : Three Hours

Maximum : 100 Marks

**Part A**

*Answer all questions.*

*Each question carries 4 marks.*

1. What are the general concepts in concrete mix design ?
2. Write a note on slip form.
3. List the advantages of low cost roofing systems.
4. Explain what is meant by Ferro cement.
5. Enumerate the objectives of Civil Engineering management.
6. State the objectives of site organization in construction management.
7. What are the functions of material management ?
8. Explain the meaning of global contract.
9. Differentiate between earnest money deposit and security deposit.
10. Write a note on voidable contracts and performance.

(10 × 4 = 40 marks)

**Part B**

*Answer all questions.*

*Each question carries 12 marks.*

11. (a) Briefly describe the ACI method of concrete mix design.

Or

(b) Write notes on the following :—

- (i) Formwork for walls.
- (ii) Formwork for stairs.

Turn over

12. (a) What are the advantages of prefabricated construction? Briefly explain the principles of design of prefabricated wall panels.

Or

- (b) What is standardization? Why is it necessary in construction industry? What are the functions of ISO?

13. (a) Briefly explain quality control and inspection in construction engineering and management.

Or

- (b) Explain how the organization of labour, resources and materials done in a construction company organization.

14. (a) Explain different types of contracts in detail.

Or

- (b) Explain the method of execution of work by cost plus contract method.

15. (a) What are the possible contractual problems? Discuss in detail.

Or

- (b) Describe the following :-

(i) Disputes and arbitration

(ii) Tender notice

(5 × 12 = 60 marks)

